

# Missouri Boating Statistics & Drownings



**2020  
Edition**  

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**2019  
Statistics**

**Department of Public Safety  
Missouri State Highway Patrol**



# Introduction

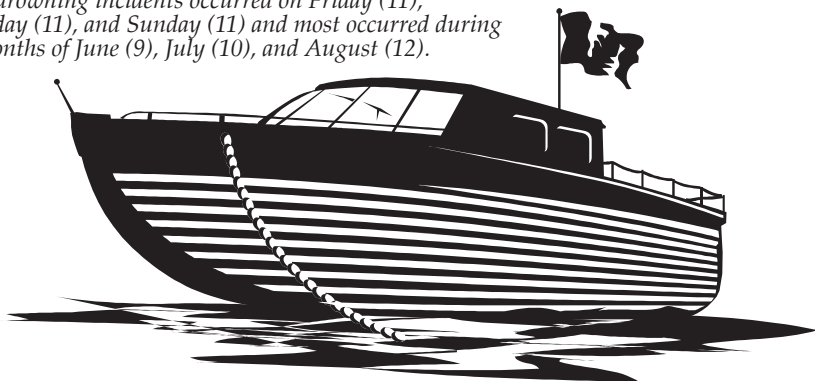
This booklet is published by the Missouri State Highway Patrol as an aid to persons who are interested in recreational boating crashes and accidental drowning incidents occurring in the state. It contains information which provides a comprehensive look at statewide crashes and accidental drowning incidents as experienced in 2019.

The Missouri State Highway Patrol is the central recreational boating data collection agency for the State of Missouri. The Patrol investigates all recreational boating crashes occurring in the state and either investigates or gathers data on accidental drowning incidents occurring in state and private waters.

## Interesting Statistics

*Here at a glance are some interesting statistics found in this booklet:*

- *In 2019 there were 18 persons killed and 104 persons injured in recreational boating crashes in the state of Missouri. This was two more killed and three more injured than in 2018. There was an decrease of 4.6% in total crashes statewide (165) compared to 2018 (173).*
- *In 2019 there were 165 total crashes including 75 property damage only, 72 injury, and 18 fatal.*
- *"Inexperience of operator" was the leading contributing circumstance for all crashes followed by "water conditions (rough, chop, current, etc)." "Impairment (alcohol/drugs)" was known to have been a contributing circumstance to 16 crashes statewide.*
- *"Falls overboard" crashes resulted in the deaths of three persons. This was 16.7% of the total persons killed in crashes.*
- *Of all crashes reported statewide, 76.4% (126) occurred during the months of May through August.*
- *Most crashes occurred on Saturday (57) and Sunday (36) and most (116) occurred between noon and 8:00 p.m.*
- *Of all crashes reported statewide, 77% (127) involved only one watercraft. Sixteen of the eighteen fatal crashes involved only one watercraft.*
- *Of the 187 boat operators involved in crashes, 94 had no prior boater education.*
- *In 2019, there were 42 persons killed in accidental drowning incidents occurring in state waters, 14 more than in 2018. The Missouri State Highway Patrol also investigated 13 accidental drowning incidents that occurred on private property and an additional seven that were flood related/other.*
- *Most drowning incidents occurred on Friday (11), Saturday (11), and Sunday (11) and most occurred during the months of June (9), July (10), and August (12).*



*It is hoped that the information in this booklet will be of value to you. Certainly it is the most comprehensive look available at statewide crashes and accidental drowning incidents in Missouri.*

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# Boating Crashes by Year

## Statewide Boating Crashes in Missouri

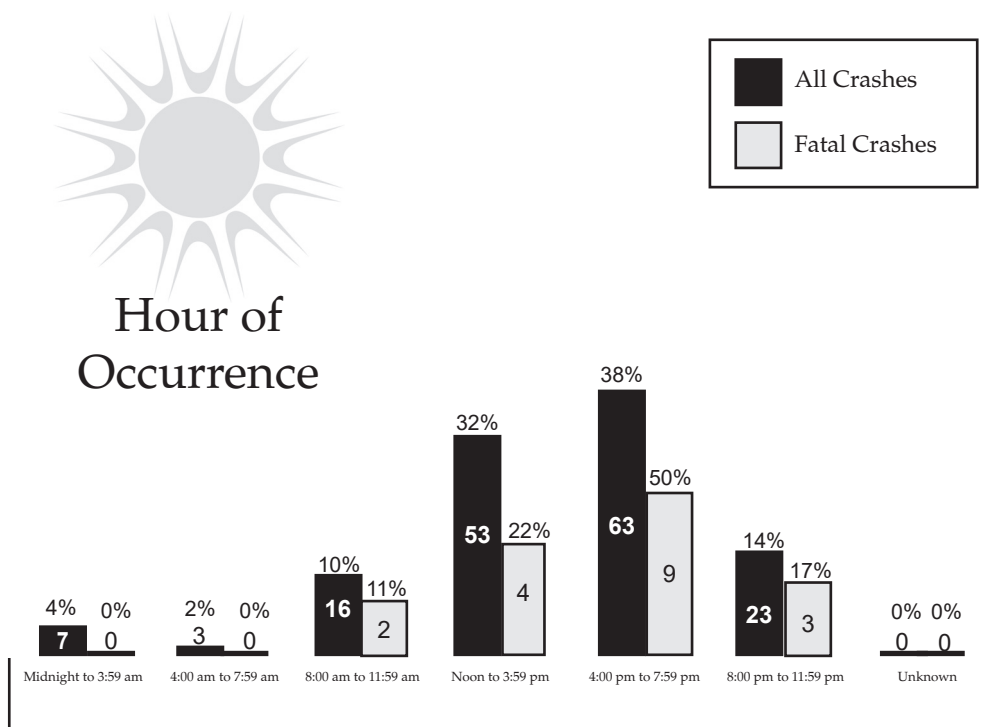
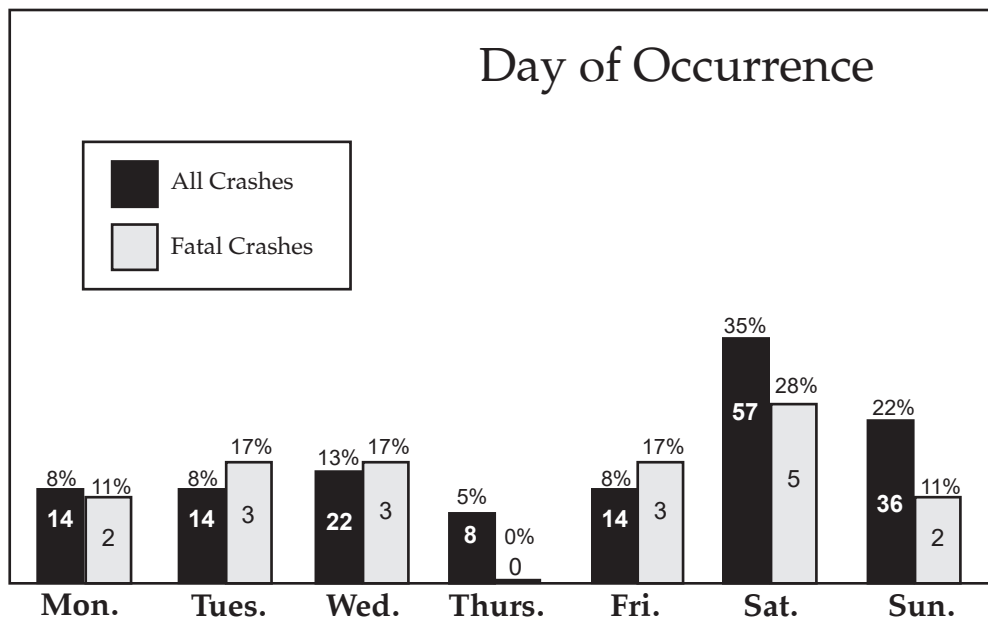
| Statewide Crashes |       |        |                 |       | Persons Involved |        |       |
|-------------------|-------|--------|-----------------|-------|------------------|--------|-------|
| Year              | Fatal | Injury | Property Damage | Total | Killed           | Injury | Total |
| 2014              | 14    | 82     | 83              | 179   | 15               | 103    | 118   |
| 2015              | 17    | 52     | 83              | 152   | 17               | 70     | 87    |
| 2016              | 14    | 91     | 77              | 182   | 16               | 111    | 127   |
| 2017              | 10    | 68     | 91              | 169   | 10               | 91     | 101   |
| 2018              | 13    | 69     | 91              | 173   | 16               | 101    | 117   |
| 2019              | 18    | 72     | 75              | 165   | 18               | 104    | 122   |

# Boating Crashes by Month

## Statewide Boating Crashes By Month

|           | Fatal | Injury | Property Damage | Total |
|-----------|-------|--------|-----------------|-------|
| January   | 0     | 0      | 1               | 1     |
| February  | 0     | 0      | 0               | 0     |
| March     | 3     | 0      | 0               | 3     |
| April     | 1     | 2      | 4               | 7     |
| May       | 6     | 4      | 12              | 22    |
| June      | 2     | 11     | 5               | 18    |
| July      | 3     | 29     | 19              | 51    |
| August    | 2     | 14     | 19              | 35    |
| September | 0     | 7      | 12              | 19    |
| October   | 0     | 4      | 2               | 6     |
| November  | 0     | 0      | 1               | 1     |
| December  | 1     | 1      | 0               | 2     |
| Total     | 18    | 72     | 75              | 165   |

# Crashes by Day and Hour



# Water & Weather Conditions



| Water Conditions                      | Fatal Crashes | Percent | All Crashes | Percent |
|---------------------------------------|---------------|---------|-------------|---------|
| Calm (waves less than 6") .....       | 6             | 33.33   | 84          | 50.91   |
| Choppy (waves 6" to 2') .....         | 3             | 16.67   | 36          | 21.82   |
| Rough (waves 2' to 6') .....          | 1             | 5.56    | 21          | 12.73   |
| Very Rough (waves more than 6') ..... | 0             | 0.00    | 4           | 2.42    |
| Strong/Swift Current .....            | 8             | 44.44   | 15          | 9.09    |
| Unknown.....                          | 0             | 0.00    | 5           | 3.03    |
| Total .....                           | 18            |         | 165         |         |

| Weather Conditions | Fatal Crashes | Percent | All Crashes | Percent |
|--------------------|---------------|---------|-------------|---------|
| Clear .....        | 13            | 72.22   | 114         | 69.09   |
| Cloudy .....       | 5             | 27.78   | 45          | 27.27   |
| Fog .....          | 0             | 0.00    | 0           | 0.00    |
| Rain .....         | 0             | 0.00    | 2           | 1.21    |
| Snow .....         | 0             | 0.00    | 0           | 0.00    |
| Hazy .....         | 0             | 0.00    | 0           | 0.00    |
| Unknown.....       | 0             | 0.00    | 4           | 2.42    |
| Total .....        | 18            |         | 165         |         |

\*More than one condition can exist for a single crash

## Nationwide Information

### Nationwide Boating Crashes

|                              | 2018         | 2019         |
|------------------------------|--------------|--------------|
| Boating Crashes .....        | 4,145        | 4,168        |
| Injured .....                | 2,511        | 2,559        |
| Killed .....                 | 633          | 613          |
| Cost (Property Damage) ..... | \$46 million | \$55 million |

Source: United States Coast Guard

# Boating Crashes by Troop/County

| Troop   | County      | Fatal | Injury | Property Damage | Total | Percent |
|---------|-------------|-------|--------|-----------------|-------|---------|
| Troop A | Benton      | 1     | 0      | 3               | 8     | 4.85%   |
|         | Jackson     | 1     | 1      | 1               |       |         |
|         | Platte      | 1     | 0      | 0               |       |         |
| Troop B | Macon       | 0     | 0      | 1               | 5     | 3.03%   |
|         | Ralls       | 0     | 2      | 2               |       |         |
| Troop C | Franklin    | 1     | 2      | 0               | 6     | 3.64%   |
|         | St. Charles | 1     | 0      | 0               |       |         |
|         | Washington  | 0     | 2      | 0               |       |         |
| Troop D | Barry       | 0     | 2      | 2               | 50    | 30.30%  |
|         | Cedar       | 0     | 1      | 3               |       |         |
|         | Dade        | 0     | 1      | 2               |       |         |
|         | Hickory     | 0     | 3      | 1               |       |         |
|         | Jasper      | 1     | 0      | 0               |       |         |
|         | Stone       | 0     | 14     | 11              |       |         |
|         | Taney       | 2     | 2      | 5               |       |         |
| Troop E | Dunklin     | 1     | 0      | 0               | 5     | 3.03%   |
|         | Iron        | 1     | 0      | 0               |       |         |
|         | Pemiscot    | 0     | 1      | 0               |       |         |
|         | Ripley      | 0     | 0      | 1               |       |         |
|         | Wayne       | 0     | 0      | 1               |       |         |
| Troop F | Camden      | 4     | 27     | 25              | 81    | 49.09%  |
|         | Miller      | 1     | 1      | 6               |       |         |
|         | Morgan      | 0     | 9      | 7               |       |         |
|         | Osage       | 0     | 0      | 1               |       |         |
| Troop G | Carter      | 1     | 0      | 0               | 7     | 4.24%   |
|         | Ozark       | 1     | 1      | 0               |       |         |
|         | Reynolds    | 1     | 0      | 2               |       |         |
|         | Shannon     | 0     | 1      | 0               |       |         |
| Troop H | Atchison    | 0     | 1      | 0               | 2     | 1.21%   |
|         | Clinton     | 0     | 0      | 1               |       |         |
| Troop I | Crawford    | 0     | 1      | 0               | 1     | 0.61%   |



# Crash Type

| Type of Crash                           | Crashes |        |                 |       | Persons |        |        |       |       |
|---|---------|--------|-----------------|-------|---------|--------|--------|-------|-------|
|   | Fatal   | Injury | Property Damage | Total | %       | Killed | Injury | Total | %     |
| Capsizing.....                          | 5       | 6      | 3               | 14    | 8.48    | 5      | 8      | 13    | 11.30 |
| Collision with Fixed Object .....       | 1       | 6      | 19              | 26    | 15.76   | 1      | 7      | 8     | 6.96  |
| Collision with Floating Object.....     | 0       | 0      | 1               | 1     | 0.61    | 0      | 0      | 0     | 0.00  |
| Collision with Vessel.....              | 2       | 10     | 21              | 33    | 20.00   | 2      | 20     | 22    | 19.13 |
| Fall within Vessel.....                 | 0       | 8      | 0               | 8     | 4.85    | 0      | 10     | 10    | 8.70  |
| Fall on a Vessel.....                   | 0       | 4      | 0               | 4     | 2.42    | 0      | 4      | 4     | 3.48  |
| Fall Overboard.....                     | 3       | 1      | 0               | 4     | 2.42    | 3      | 3      | 6     | 5.22  |
| Fire/Explosion (Fuel) .....             | 0       | 3      | 6               | 9     | 5.45    | 0      | 7      | 7     | 6.09  |
| Fire/Explosion (Other).....             | 0       | 2      | 2               | 4     | 2.42    | 0      | 5      | 5     | 4.35  |
| Flooding/Swamping .....                 | 0       | 1      | 14              | 15    | 9.09    | 0      | 2      | 2     | 1.74  |
| Grounding.....                          | 1       | 2      | 8               | 11    | 6.67    | 1      | 6      | 7     | 6.09  |
| Person Impacts Watercraft.....          | 0       | 3      | 0               | 3     | 1.82    | 0      | 3      | 3     | 2.61  |
| Person Ejected from a Vessel .....      | 3       | 8      | 0               | 11    | 6.67    | 3      | 9      | 6     | 5.22  |
| Person Left Vessel.....                 | 2       | 0      | 0               | 2     | 1.21    | 2      | 0      | 2     | 1.74  |
| Skier Mishap .....                      | 0       | 11     | 0               | 11    | 6.67    | 0      | 11     | 11    | 9.57  |
| Struck by Prop or Propulsion Unit ..... | 0       | 2      | 0               | 2     | 1.21    | 0      | 2      | 2     | 1.74  |
| Struck Submerged Object.....            | 0       | 0      | 0               | 0     | 0.00    | 0      | 0      | 0     | 0.00  |
| Other.....                              | 1       | 4      | 0               | 5     | 3.03    | 1      | 6      | 7     | 6.09  |
| Unknown.....                            | 0       | 1      | 1               | 2     | 1.21    | 0      | 1      | 0     | 0.00  |
| Total.....                              | 18      | 72     | 75              | 165   |         | 18     | 104    | 115   |       |
| Percentage .....                        | 7.82    | 45.81  | 46.37           |       |         | 12.71  | 87.29  |       |       |

# Crashes by Body of Water/County

| Body of Water               | County      | Crashes |        |                 |       | Persons |         |       |
|-----------------------------|-------------|---------|--------|-----------------|-------|---------|---------|-------|
|                             |             | Fatal   | Injury | Property Damage | Total | Killed  | Injured | Total |
| Bean Lake                   | Platte      | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Big River                   | Washington  | 0       | 2      | 0               | 2     | 0       | 2       | 2     |
| Black River                 | Reynolds    | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Bryant Creek                | Ozark       | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Bull Creek                  | Taney       | 2       | 0      | 0               | 2     | 2       | 0       | 2     |
| Bull Shoals Lake            | Ozark       | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Catawissa Conservation Area | Franklin    | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Center Creek                | Jasper      | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Clearwater Lake             | Reynolds    | 0       | 0      | 2               | 2     | 0       | 0       | 0     |
| Cuivre River                | St. Charles | 1       | 0      | 0               | 1     | 1       | 1       | 2     |
| Current River               | Carter      | 1       | 0      | 0               | 1     | 1       | 2       | 3     |
| Current River               | Ripley      | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Current River               | Shannon     | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Gasconade River             | Osage       | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Lake Jacomo                 | Jackson     | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Lake of the Ozarks          | Benton      | 1       | 0      | 1               | 2     | 1       | 0       | 1     |
| Lake of the Ozarks          | Camden      | 4       | 27     | 25              | 56    | 4       | 33      | 37    |
| Lake of the Ozarks          | Miller      | 1       | 1      | 6               | 8     | 1       | 6       | 7     |
| Lake of the Ozarks          | Morgan      | 0       | 9      | 7               | 16    | 0       | 14      | 14    |
| Long Branch Lake            | Macon       | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Longview Lake               | Jackson     | 0       | 1      | 0               | 1     | 0       | 3       | 3     |
| Mark Twain Lake             | Ralls       | 0       | 2      | 2               | 4     | 0       | 4       | 4     |
| Meramec River               | Crawford    | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Meramec River               | Franklin    | 0       | 2      | 0               | 2     | 0       | 2       | 2     |
| Mississippi River           | Pemiscot    | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Missouri River              | Atchison    | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Missouri River              | Jackson     | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Pomme de Terre Lake         | Hickory     | 0       | 3      | 0               | 3     | 0       | 3       | 3     |
| Pomme de Terre River        | Hickory     | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Smithville Lake             | Clinton     | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Snow Hollow Lake            | Iron        | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| St. Francis River           | Dunklin     | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Stockton Lake               | Cedar       | 0       | 1      | 3               | 4     | 0       | 2       | 2     |
| Stockton Lake               | Dade        | 0       | 1      | 2               | 3     | 0       | 2       | 2     |

# Crashes by Body of Water/County

| Body of Water   | County | Crashes |        |                 |       | Persons |         |       |
|-----------------|--------|---------|--------|-----------------|-------|---------|---------|-------|
|                 |        | Fatal   | Injury | Property Damage | Total | Killed  | Injured | Total |
| Table Rock Lake | Barry  | 0       | 2      | 2               | 4     | 0       | 6       | 6     |
| Table Rock Lake | Stone  | 0       | 14     | 11              | 25    | 0       | 17      | 17    |
| Table Rock Lake | Taney  | 0       | 2      | 5               | 7     | 0       | 2       | 2     |
| Trumen Lake     | Benton | 0       | 0      | 2               | 2     | 0       | 0       | 0     |
| Wappapello Lake | Wayne  | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| <b>TOTAL</b>    |        | 18      | 72     | 75              | 165   | 18      | 104     | 122   |

# Crashes by Multi-County Body of Water

| Body of Water            | Crashes |        |                 |       | Persons |         |       |
|--------------------------|---------|--------|-----------------|-------|---------|---------|-------|
|                          | Fatal   | Injury | Property Damage | Total | Killed  | Injured | Total |
| Current River .....      | 1       | 1      | 1               | 3     | 1       | 3       | 4     |
| Lake of the Ozarks ..... | 6       | 37     | 39              | 82    | 6       | 53      | 59    |
| Meramec River .....      | 0       | 3      | 0               | 3     | 0       | 3       | 3     |
| Missouri River .....     | 0       | 1      | 1               | 2     | 0       | 1       | 1     |
| Stockton Lake.....       | 0       | 2      | 5               | 7     | 0       | 4       | 4     |
| Table Rock Lake.....     | 0       | 18     | 18              | 36    | 0       | 25      | 25    |
| <b>Total .....</b>       | 7       | 62     | 64              | 133   | 7       | 89      | 96    |

# Probable Contributing Circumstances

| Probable Contributing Circumstance               | Crashes |        |                 |       | Persons |         |       |
|--|---------|--------|-----------------|-------|---------|---------|-------|
|  | Fatal   | Injury | Property Damage | Total | Killed  | Injured | Total |
| Careless/Reckless Operation .....                | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Congested Waters.....                            | 0       | 1      | 0               | 1     | 0       | 1       | 0     |
| Equipment Failure (PFD, Bilge Pump, Etc.) ..     | 0       | 2      | 2               | 4     | 0       | 5       | 5     |
| Excessive Speed .....                            | 0       | 15     | 4               | 19    | 0       | 18      | 18    |
| Exhaustion.....                                  | 3       | 0      | 0               | 3     | 3       | 0       | 3     |
| Failed to Keep Proper Lookout.....               | 3       | 15     | 16              | 34    | 3       | 30      | 33    |
| Failed to Take Evasive Action .....              | 0       | 6      | 8               | 14    | 0       | 6       | 6     |
| Failure to Vent.....                             | 0       | 0      | 0               | 0     | 0       | 0       | 0     |
| Fall from Vessel.....                            | 1       | 0      | 0               | 1     | 1       | 0       | 1     |
| Fall While Skiing/Tubing .....                   | 0       | 2      | 0               | 2     | 0       | 2       | 2     |
| Hazard in Water .....                            | 3       | 3      | 9               | 15    | 3       | 3       | 6     |
| Health/Medical Problem .....                     | 2       | 2      | 0               | 4     | 2       | 2       | 4     |
| Hull Failure.....                                | 0       | 0      | 1               | 1     | 0       | 0       | 0     |
| Impairment (Alcohol/Drugs) .....                 | 4       | 6      | 6               | 16    | 4       | 18      | 22    |
| Improperly Loaded Vessel .....                   | 1       | 1      | 3               | 5     | 1       | 2       | 3     |
| Inattention .....                                | 0       | 8      | 11              | 19    | 0       | 14      | 14    |
| Inexperience of Operator .....                   | 6       | 14     | 17              | 37    | 6       | 21      | 27    |
| Mechanical Failure (Electric/Fuel, etc.) ...     | 0       | 7      | 16              | 23    | 0       | 15      | 0     |
| Navigation Lights (None/Partial) .....           | 0       | 0      | 2               | 2     | 0       | 0       | 0     |
| Off Throttle Steering.....                       | 0       | 0      | 0               | 0     | 0       | 0       | 0     |
| Obstructing Visibility in Vessel.....            | 0       | 0      | 0               | 0     | 0       | 0       | 0     |
| Operated Too Close to Another Vessel ....        | 1       | 5      | 10              | 16    | 1       | 6       | 7     |
| Operated Too Close to Dock or Other Object ...   | 2       | 3      | 5               | 10    | 2       | 3       | 5     |
| Operated Too Close to Shoreline .....            | 1       | 2      | 5               | 8     | 1       | 3       | 4     |
| Other .....                                      | 2       | 6      | 7               | 15    | 2       | 10      | 12    |
| Overloaded.....                                  | 0       | 0      | 3               | 3     | 0       | 0       | 0     |
| Passenger / Skier Behavior .....                 | 0       | 4      | 0               | 4     | 0       | 4       | 4     |
| Restricted Visibility (Fog, Rain, Etc.).....     | 1       | 1      | 0               | 2     | 1       | 2       | 3     |
| Sharp Turn.....                                  | 0       | 0      | 0               | 0     | 0       | 0       | 0     |
| Swimming Ability (Weak/None) .....               | 3       | 0      | 0               | 3     | 3       | 0       | 3     |
| Type of Vessel.....                              | 1       | 2      | 1               | 4     | 1       | 5       | 1     |
| Wake.....  | 0       | 2      | 1               | 3     | 0       | 2       | 2     |
| Water Conditions (Rough, Chop, Current, Etc.)... | 8       | 20     | 8               | 36    | 8       | 24      | 32    |
| Weather Conditions .....                         | 0       | 1      | 0               | 1     | 0       | 1       | 1     |
| Unknown.....                                     | 0       | 0      | 1               | 1     | 0       | 0       | 0     |

# Vessel Actions at Time of Crash

| Vessel Action                         | Fatal | Injury | Property Damage | Total | %     |
|---------------------------------------|-------|--------|-----------------|-------|-------|
| Anchored .....                        | 0     | 1      | 0               | 1     | 0.49  |
| Docked .....                          | 0     | 1      | 11              | 12    | 5.83  |
| Docking Manuever .....                | 0     | 0      | 5               | 5     | 2.43  |
| Fishing .....                         | 4     | 0      | 5               | 9     | 4.37  |
| Fueling .....                         | 0     | 2      | 0               | 2     | 0.97  |
| Launching Vessel.....                 | 0     | 1      | 0               | 1     | 0.49  |
| Making Repairs .....                  | 0     | 1      | 1               | 2     | 0.97  |
| Moored.....                           | 0     | 0      | 1               | 1     | 0.49  |
| Recreational (Pleasure) Boating ..... | 12    | 66     | 71              | 149   | 72.33 |
| Swimming .....                        | 1     | 2      | 0               | 3     | 1.46  |
| Tubing .....                          | 0     | 7      | 0               | 7     | 3.40  |
| Water Skiing.....                     | 0     | 4      | 0               | 4     | 1.94  |
| Whitewater Sports .....               | 2     | 0      | 1               | 3     | 1.46  |
| Other .....                           | 1     | 0      | 2               | 3     | 1.46  |
| Unknown.....                          | 0     | 1      | 3               | 4     | 1.94  |
| Total .....                           | 20    | 86     | 100             | 206   |       |

## Alcohol Involvement

**Drinking and Crashes** - Whether or not a person has been drinking cannot always be determined at the scene of a crash. Because of the time lapse from the moment of occurrence until an officer arrives at the scene to make the investigation, a person's condition concerning drinking can change a great deal. In cases where the individual may have been removed to a hospital, doctor's office or funeral home, his/her condition may never be determined.

### Alcohol Involved

#### Fatal Boating Crashes:

|                             |   |
|-----------------------------|---|
| Alcohol Involved.....       | 6 |
| No Alcohol Involved.....    | 6 |
| Information Not Known ..... | 6 |

#### All Boating Crashes:

|                             |     |
|-----------------------------|-----|
| Alcohol Involved.....       | 32  |
| No Alcohol Involved.....    | 119 |
| Information Not Known ..... | 14  |

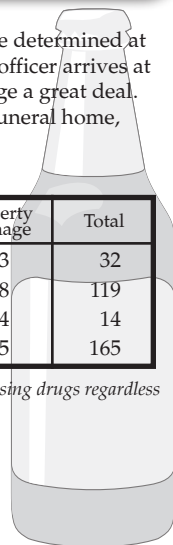
|         | Fatal | Injury | Property Damage | Total |
|---------|-------|--------|-----------------|-------|
| Yes     | 6     | 13     | 13              | 32    |
| No      | 6     | 55     | 58              | 119   |
| Unknown | 6     | 4      | 4               | 14    |
| Total   | 18    | 72     | 75              | 165   |

*(Includes crashes where an operator was drinking or using drugs regardless of the alcohol/drugs contributing to the crash.)*

### Alcohol/Drugs Probable Contributing Circumstance

|                      |    |
|----------------------|----|
| Persons Killed ..... | 4  |
| Persons Injured..... | 18 |

*(Includes crashes where alcohol or drug use contributed to the cause of the crash.)*



# Number of Vessels Involved

| Statewide Crashes by Number of Vessels Involved |         |        |              |       |         |         |       |
|---|---------|--------|--------------|-------|---------|---------|-------|
| Number of Vessels                               | Crashes |        |              |       | Persons |         |       |
|   | Fatal   | Injury | Prop. Damage | Total | Killed  | Injured | Total |
| 1   | 16      | 59     | 52           | 127   | 16      | 81      | 97    |
| 2   | 2       | 12     | 22           | 36    | 2       | 22      | 24    |
| 3   | 0       | 1      | 0            | 1     | 0       | 1       | 1     |
| 4   | 0       | 0      | 1            | 1     | 0       | 0       | 0     |
| Total   | 18      | 72     | 75           | 165   | 18      | 104     | 122   |

# Vessel Type Involved

## Vessel Type

Airboat .....

Auxiliary Sail .....

Barge .....

Bass Boat.....

Cabin Motorboat .....

Canoe .....

Jon Boat.....

Kayak .....

Open Motorboat .....

Personal Watercraft.....

Pontoon.....

Runabout .....

Unknown.....

Total.....

| Fatal | Injury | Property Damage | Total |
|-------|--------|-----------------|-------|
| 0     | 1      | 0               | 1     |
| 0     | 0      | 2               | 2     |
| 0     | 0      | 1               | 1     |
| 0     | 0      | 1               | 1     |
| 3     | 10     | 10              | 23    |
| 1     | 2      | 0               | 3     |
| 1     | 1      | 0               | 2     |
| 4     | 0      | 1               | 5     |
| 7     | 43     | 49              | 99    |
| 2     | 16     | 14              | 32    |
| 2     | 11     | 16              | 29    |
| 0     | 1      | 2               | 3     |
| 0     | 1      | 4               | 5     |
| 20    | 86     | 100             | 206   |

\*More than one condition can exist for a single crash

# Age of Killed/Injured and Operators

## Killed/Injured By Age Group

| Age of Person | Killed | Percent | Injured | Percent |
|---------------|--------|---------|---------|---------|
| 5 and Under   | 0      | 0.00    | 2       | 1.92    |
| 6 - 10        | 0      | 0.00    | 5       | 4.81    |
| 11 - 15       | 0      | 0.00    | 4       | 3.85    |
| 16 - 20       | 1      | 5.56    | 7       | 6.73    |
| 21 - 25       | 3      | 16.67   | 14      | 13.46   |
| 26 - 30       | 2      | 11.11   | 8       | 7.69    |
| 31 - 35       | 2      | 11.11   | 8       | 7.69    |
| 36 - 40       | 2      | 11.11   | 8       | 7.69    |
| 41 - 45       | 2      | 11.11   | 10      | 9.62    |
| 46 - 50       | 0      | 0.00    | 6       | 5.77    |
| 51 - 55       | 3      | 16.67   | 6       | 5.77    |
| 56 - 60       | 2      | 11.11   | 8       | 7.69    |
| 61 - 65       | 1      | 5.56    | 9       | 8.65    |
| 66 - 70       | 0      | 0.00    | 5       | 4.81    |
| 71 - 75       | 0      | 0.00    | 2       | 1.92    |
| 76 and Over   | 0      | 0.00    | 2       | 1.92    |
| Not Stated    | 0      | 0.00    | 0       | 0.00    |
| Total         | 18     |         | 104     |         |

## Age of Operators of Vessels Involved in Crashes

| Age of Operator | Number<br>Involved | Fatal | Injury | Property<br>Damage |
|-----------------|--------------------|-------|--------|--------------------|
| 15 and Under    | 1                  | 0     | 0      | 1                  |
| 16              | 2                  | 0     | 0      | 2                  |
| 17              | 3                  | 0     | 1      | 2                  |
| 18              | 2                  | 1     | 0      | 1                  |
| 19              | 0                  | 0     | 0      | 0                  |
| 20              | 3                  | 0     | 2      | 1                  |
| 21 - 25         | 27                 | 3     | 14     | 10                 |
| 26 - 30         | 10                 | 3     | 5      | 2                  |
| 31 - 35         | 15                 | 2     | 5      | 8                  |
| 36 - 40         | 15                 | 1     | 8      | 6                  |
| 41 - 45         | 19                 | 2     | 9      | 8                  |
| 46 - 50         | 17                 | 0     | 8      | 9                  |
| 51 - 55         | 17                 | 3     | 5      | 9                  |
| 56 - 60         | 15                 | 2     | 7      | 6                  |
| 61 - 65         | 14                 | 2     | 5      | 7                  |
| 66 - 70         | 8                  | 0     | 5      | 3                  |
| 71 - 75         | 8                  | 0     | 3      | 5                  |
| 76 and Over     | 5                  | 0     | 5      | 0                  |
| Not Stated      | 6                  | 1     | 1      | 4                  |
| Total Drivers   | 187                | 20    | 83     | 84                 |

# Buoy/Regatta/Dive Team/ Boater Education Statistics

| Buoy/Regatta/Dive Team/Boater Education Statistics |        |        |        |        |
|--|--------|--------|--------|--------|
|  | 2016   | 2017   | 2018   | 2019   |
| <b>Buoy Permitting</b>                             |        |        |        |        |
| Permits .....                                      | 5,555  | 5,622  | 5,750  | 5,838  |
| Approved Applications.....                         | 62     | 58     | 78     | 85     |
| Denied Applications.....                           | 37     | 36     | 63     | 29     |
| Revoked Permits .....                              | 170    | 236    | 304    | 226    |
| Updated Permits .....                              | 17     | 20     | 25     | 17     |
| Other Modifications/Reinstate.....                 | 11     | 20     | 16     | 6      |
| Audits Conducted.....                              |        |        |        | 426    |
| <b>Regatta Permitting</b>                          |        |        |        |        |
| Total Permitted Events .....                       | 1,898  | 1,878  | 1,904  | 1,892  |
| <b>Dive Team Missions</b>                          |        |        |        |        |
| Total Dives.....                                   | 43     | 35     | 33     | 37     |
| <b>Boater Education</b>                            |        |        |        |        |
| Students Taught by Troopers.....                   | 2,962  | 3,186  | 4,130  | 3,396  |
| Internet Courses Taught.....                       | 11,975 | 12,132 | 13,813 | 13,517 |
| Total Education Cards Issued.....                  | 14,631 | 15,114 | 16,961 | 16,473 |

| Boater Education of Operator |       |        |                 |       |
|------------------------------|-------|--------|-----------------|-------|
| Boater Education Received    | Fatal | Injury | Property Damage | Total |
| American Red Cross .....     | 0     | 0      | 1               | 1     |
| State .....                  | 2     | 23     | 22              | 47    |
| U.S. Power Squadron.....     | 0     | 0      | 0               | 0     |
| USCG Auxillary.....          | 0     | 5      | 2               | 7     |
| Other .....                  | 0     | 1      | 3               | 4     |
| None.....                    | 10    | 40     | 44              | 94    |
| Unknown.....                 | 8     | 14     | 12              | 34    |
| Total.....                   | 20    | 83     | 84              | 187   |



# Drownings by Year

## Statewide Drowning Incidents in Missouri

| Year | State Waters | Private | Flood/ Other | Total |
|------|--------------|---------|--------------|-------|
| 2014 | 21           | 8       | 0            | 29    |
| 2015 | 31           | 14      | 23           | 68    |
| 2016 | 31           | 4       | 3            | 38    |
| 2017 | 36           | 15      | 8            | 59    |
| 2018 | 28           | 6       | 0            | 34    |
| 2019 | 42           | 13      | 7            | 62    |

# Drownings by Month

## Statewide Drowning Incidents By Month

| Month     | State Waters | Private | Flood/ Other | Total |
|-----------|--------------|---------|--------------|-------|
| January   | 0            | 1       | 0            | 1     |
| February  | 3            | 0       | 0            | 3     |
| March     | 0            | 1       | 0            | 1     |
| April     | 1            | 1       | 1            | 3     |
| May       | 5            | 0       | 1            | 6     |
| June      | 8            | 0       | 1            | 9     |
| July      | 8            | 2       | 0            | 10    |
| August    | 10           | 2       | 0            | 12    |
| September | 3            | 1       | 0            | 4     |
| October   | 0            | 2       | 0            | 2     |
| November  | 3            | 0       | 4            | 7     |
| December  | 1            | 3       | 0            | 4     |
| Total     | 42           | 13      | 7            | 62    |

*One accidental drowning victim was wearing a personal floatation device.*

# Drownings by Day and Hour

## Drowning Incidents by Day of Week

| Day of Week | State Waters | Private | Flood/Other | Total | Percent |
|-------------|--------------|---------|-------------|-------|---------|
| Sunday      | 7            | 3       | 1           | 11    | 17.74   |
| Monday      | 4            | 1       | 0           | 5     | 8.06    |
| Tuesday     | 5            | 2       | 1           | 8     | 12.90   |
| Wednesday   | 4            | 2       | 1           | 7     | 11.29   |
| Thursday    | 7            | 2       | 0           | 9     | 14.52   |
| Friday      | 9            | 1       | 1           | 11    | 17.74   |
| Saturday    | 6            | 2       | 3           | 11    | 17.74   |
| Total       | 42           | 13      | 7           | 62    |         |

## Drowning Incidents by Time of Day

| Time of Day             | State Waters | Private | Flood/Other | Total | Percent |
|-------------------------|--------------|---------|-------------|-------|---------|
| Midnight to 3:59 a.m.   | 5            | 1       | 0           | 6     | 9.68    |
| 4:00 a.m. to 7:59 a.m.  | 1            | 1       | 1           | 3     | 4.84    |
| 8:00 a.m. to 11:59 a.m. | 6            | 1       | 3           | 10    | 16.13   |
| Noon to 3:59 p.m.       | 10           | 5       | 0           | 15    | 24.19   |
| 4:00 p.m. to 7:59 p.m.  | 11           | 2       | 1           | 14    | 22.58   |
| 8:00 p.m. to 11:59 p.m. | 4            | 0       | 1           | 5     | 8.06    |
| Unknown                 | 5            | 3       | 1           | 9     | 14.52   |
| Total                   | 42           | 13      | 7           | 62    |         |

# Statewide Drownings by Troop/County

| Troop   | County   | State Water | Private | Flood/Other | Total |
|---------|----------|-------------|---------|-------------|-------|
| Troop A | Benton   | 0           | 1       | 0           | 1     |
|         | Henry    | 1           | 0       | 1           | 2     |
|         | Jackson  | 1           | 1       | 0           | 2     |
|         | Ray      | 1           | 0       | 0           | 1     |
|         | Saline   | 1           | 0       | 0           | 1     |
| Troop B | Chariton | 0           | 0       | 1           | 1     |
|         | Lewis    | 1           | 0       | 0           | 1     |

*One accidental drowning victim was wearing a personal floatation device.*

# Statewide Drownings by Troop/County

| Troop   | County         | State Water | Private | Flood/Other | Total |
|---------|----------------|-------------|---------|-------------|-------|
| Troop B | Ralls          | 1           | 0       | 0           | 1     |
| Troop C | Franklin       | 0           | 2       | 0           | 2     |
|         | Jefferson      | 1           | 0       | 0           | 1     |
|         | St. Charles    | 2           | 0       | 0           | 2     |
|         | St. Francois   | 1           | 0       | 0           | 1     |
|         | St. Louis      | 5           | 1       | 0           | 6     |
|         | Washington     | 0           | 1       | 0           | 1     |
|         | St. Louis City | 1           | 0       | 0           | 1     |
| Troop D | Barry          | 2           | 0       | 0           | 2     |
|         | Dallas         | 1           | 0       | 0           | 1     |
|         | Jasper         | 1           | 0       | 0           | 1     |
|         | McDonald       | 1           | 0       | 1           | 2     |
|         | Polk           | 1           | 0       | 0           | 1     |
|         | Stone          | 1           | 0       | 0           | 1     |
|         | Taney          | 2           | 1       | 0           | 3     |
|         | Webster        | 1           | 0       | 0           | 1     |
| Troop E | Bollinger      | 0           | 0       | 3           | 3     |
|         | Butler         | 1           | 0       | 0           | 1     |
|         | Cape Girardeau | 1           | 0       | 0           | 1     |
|         | Iron           | 1           | 0       | 0           | 1     |
|         | Mississippi    | 0           | 1       | 0           | 1     |
|         | Ripley         | 0           | 1       | 0           | 1     |
| Troop F | Camden         | 4           | 0       | 0           | 4     |
|         | Gasconde       | 0           | 1       | 0           | 1     |
|         | Moniteau       | 1           | 0       | 0           | 1     |
|         | Morgan         | 1           | 0       | 0           | 1     |
| Troop G | Douglas        | 0           | 0       | 1           | 1     |
|         | Shannon        | 2           | 0       | 0           | 2     |
|         | Wright         | 0           | 1       | 0           | 1     |
| Troop H | Andrew         | 1           | 0       | 0           | 1     |
|         | Atchison       | 1           | 0       | 0           | 1     |
|         | Caldwell       | 0           | 1       | 0           | 1     |
|         | Nodaway        | 1           | 0       | 0           | 1     |
| Troop I | Crawford       | 1           | 0       | 0           | 1     |
|         | Laclede        | 1           | 1       | 0           | 2     |
| TOTAL   |                | 42          | 13      | 7           | 62    |

*One accidental drowning victim was wearing a personal flotation device.*

# Drownings by Body of Water

| Body of Water             | State Waters | Private | Flood/ Other | Total |
|---------------------------|--------------|---------|--------------|-------|
| Agate Lake                | 1            | 0       | 0            | 1     |
| Big Creek                 | 1            | 0       | 0            | 1     |
| Blind Pony Lake           | 1            | 0       | 0            | 1     |
| Blue Springs Lake         | 1            | 0       | 0            | 1     |
| Bryant Creek              | 0            | 0       | 1            | 1     |
| Bull Creek                | 1            | 0       | 0            | 1     |
| Coldwater Creek           | 1            | 0       | 0            | 1     |
| Current River             | 1            | 0       | 0            | 1     |
| Elk River                 | 1            | 0       | 0            | 1     |
| Flat River Creek          | 1            | 0       | 0            | 1     |
| Hideaway Lakes            | 0            | 1       | 0            | 1     |
| Hillview Lake             | 0            | 1       | 0            | 1     |
| Indian Creek              | 0            | 0       | 1            | 1     |
| Jacks Fork River          | 1            | 0       | 0            | 1     |
| Joplin Creek              | 1            | 0       | 0            | 1     |
| Lake of the Ozarks        | 5            | 0       | 0            | 5     |
| Lake Taneycomo            | 1            | 0       | 0            | 1     |
| Little Whitewater Creek   | 0            | 0       | 2            | 2     |
| Maline Creek              | 2            | 0       | 0            | 2     |
| Mark Twain Lake           | 1            | 0       | 0            | 1     |
| Meramec River             | 1            | 0       | 0            | 1     |
| Mississippi River         | 6            | 0       | 0            | 6     |
| Missouri River            | 3            | 0       | 0            | 3     |
| Niangua River             | 2            | 0       | 0            | 2     |
| North Moreau Creek        | 1            | 0       | 0            | 1     |
| Gasconade River           | 1            | 0       | 0            | 1     |
| One Hundred and Two River | 1            | 0       | 0            | 1     |
| Pomme de Terre Lake       | 1            | 0       | 0            | 1     |
| Salt Creek                | 0            | 0       | 1            | 1     |
| St. Francis River         | 1            | 0       | 0            | 1     |
| Table Rock Lake           | 3            | 0       | 0            | 3     |
| Truman Lake               | 1            | 0       | 0            | 1     |
| Whitewater River          | 0            | 0       | 1            | 1     |
| Willmore Lake             | 1            | 0       | 0            | 1     |
| Other (Ditch)             | 0            | 1       | 1            | 2     |
| Private Pond              | 0            | 8       | 0            | 8     |
| Private (Other)           | 0            | 2       | 0            | 2     |
| Total                     | 42           | 13      | 7            | 62    |

*One accidental drowning victim was wearing a personal floatation device.*

# Age of Drowning Victim







| Age of Person | State Waters | Private | Flood/ Other | Total | Percent |
|---------------|--------------|---------|--------------|-------|---------|
| 1 - 5         | 1            | 3       | 0            | 4     | 6.45    |
| 6 - 10        | 0            | 2       | 1            | 3     | 4.84    |
| 11 - 15       | 4            | 0       | 0            | 4     | 6.45    |
| 16 - 20       | 6            | 0       | 0            | 6     | 9.68    |
| 21 - 25       | 1            | 1       | 0            | 2     | 3.23    |
| 26 - 30       | 3            | 2       | 0            | 5     | 8.06    |
| 31 - 35       | 1            | 3       | 2            | 6     | 9.68    |
| 36 - 40       | 6            | 1       | 0            | 7     | 11.29   |
| 41 - 45       | 1            | 0       | 0            | 1     | 1.61    |
| 46 - 50       | 2            | 0       | 1            | 3     | 4.84    |
| 51 - 55       | 2            | 0       | 1            | 3     | 4.84    |
| 56 - 60       | 6            | 0       | 1            | 7     | 11.29   |
| 61 - 65       | 1            | 0       | 1            | 2     | 3.23    |
| 66 - 70       | 2            | 0       | 0            | 2     | 3.23    |
| 71 - 75       | 1            | 0       | 0            | 1     | 1.61    |
| 76+           | 3            | 1       | 0            | 4     | 6.45    |
| Unknown       | 2            | 0       | 0            | 2     | 3.23    |
| Total         | 42           | 13      | 7            | 62    |         |



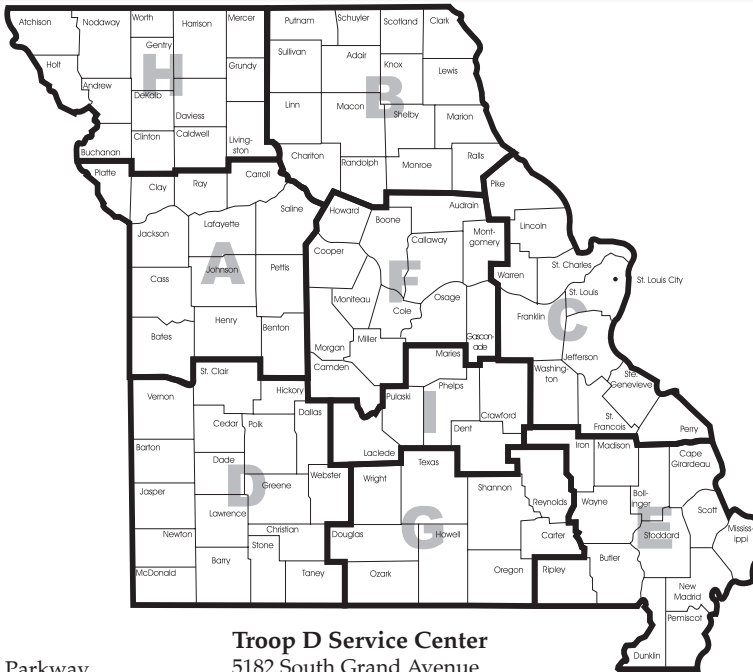
*One accidental drowning victim was wearing a personal flotation device.*

# Holiday Crashes & Drownings

## Crashes Drownings

| Holiday  | Year | Fatal | Injury | Property Damage | State | Private | Flood | Period  |
|--|------|-------|--------|-----------------|-------|---------|-------|---|
|  Memorial Day     | 2018 | 1     | 7      | 6               | 0     | 0       | 0     | From 6:00 p.m., Friday, May 25, to 11:59 p.m., Monday, May 28                         |
|  | 2019 | 2     | 1      | 4               | 0     | 0       | 0     | From 6:00 p.m., Friday, May 24, to 11:59 p.m., Monday, May 27                         |
|  Independence Day | 2018 | 0     | 2      | 2               | 3     | 0       | 0     | From 6:00 p.m., Tuesday, July 3, to 11:59 p.m., Wednesday, July 4                     |
|  | 2019 | 0     | 4      | 5               | 2     | 1       | 0     | From 6:00 p.m., Wednesday, July 3, to 11:59 p.m., Sunday, July 7                      |
|  Labor Day        | 2018 | 0     | 3      | 4               | 0     | 0       | 0     | From 6:00 p.m., Friday, August 31, to 11:59 p.m., Monday, September 3                 |
|  | 2019 | 0     | 4      | 7               | 0     | 0       | 0     | From 6:00 p.m., Friday, August 30, to 11:59 p.m., Monday, September 2                 |
|  Thanksgiving     | 2018 | 0     | 0      | 0               | 0     | 0       | 0     | From 6:00 p.m., Wednesday, November 21, to 11:59 p.m., Sunday, November 25            |
|  | 2019 | 0     | 0      | 0               | 0     | 0       | 3     | From 6:00 p.m., Wednesday, November 27, to 11:59 p.m., Sunday, December 1             |
|  Christmas        | 2018 | 0     | 0      | 0               | 0     | 0       | 0     | From 6:00 p.m., Friday, December 21, to 11:59 p.m., Tuesday, December 25              |
|  | 2019 | 0     | 0      | 0               | 0     | 0       | 0     | From 6:00 p.m., Tuesday, December 24, to 11:59 p.m., Wednesday, December 25           |
|  New Year        | 2018 | 0     | 0      | 0               | 0     | 0       | 0     | From 6:00 p.m., Friday, December 28, 2018, to 11:59 p.m., Tuesday, January 1, 2019    |
|  | 2019 | 0     | 0      | 0               | 0     | 0       | 0     | From 6:00 p.m., Tuesday, December 31, 2019, to 11:59 p.m., Wednesday, January 1, 2020 |

# Highway Patrol Headquarters



## **Troop A**

504 S.E. Blue Parkway  
Lee's Summit, MO 64063-4351  
Phone: 816-622-0800  
Fax: 816-622-0715

## **Troop D Service Center**

5182 South Grand Avenue  
Carthage, MO 64836-9541  
Phone: 417-359-1500  
Fax: 417-359-1506

## **Troop B**

308 Pine Crest Drive  
Macon, MO 63552-1030  
Phone: 660-385-2132  
Fax: 660-385-3920

## **Troop E**

4947 Highway 67 North  
Poplar Bluff, MO 63901-8719  
Phone: 573-840-9500  
Fax: 573-840-9509

## **Troop H**

3525 North Belt Highway  
St. Joseph, MO 64506-1370  
Phone: 816-387-2345  
Fax: 816-387-2349

## **Troop C**

891 Technology Drive  
Weldon Spring, MO 63304  
Phone: 636-300-2800  
Fax: 636-300-2741

## **Troop E Service Center**

105 Keystone Drive  
Sikeston, MO 63801-5603  
Phone: 573-472-5200  
Fax: 573-472-5204

## **Troop I**

P.O. Box 128  
1301 Nagogami Road West  
Rolla, MO 65402-0128  
Phone: 573-368-2345  
Fax: 573-368-2352

## **Troop C Service Center**

P.O. Box 612  
5268 Flat River Road  
Park Hills, MO 63601-0612  
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Fax: 573-431-4429

## **Troop F**

P.O. Box 568  
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Jefferson City, MO 65102-0568  
Phone: 573-751-1000  
Fax: 573-751-6814

## **General Headquarters**

P.O. Box 568  
1510 East Elm Street  
Jefferson City, MO 65102-0568  
Phone: 573-751-3313  
Fax: 573-751-9419

## **Troop D**

3131 East Kearney  
Springfield, MO 65803-5044  
Phone: 417-895-6868  
Fax: 417-895-6877

## **Troop G**

1226 West Business Highway 60/63  
Willow Springs, MO 65793  
Phone: 417-469-3121  
Fax: 417-469-3105

**Emergency Assistance:**  
1-800-525-5555 or Cellular \*55

**Road Conditions:**  
1-888-275-6636



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